

Kindergarten Science

Diary map is based on the 2014-2015 school year. Information may change year to year. Months are guidelines and items may be done at different times of the year.

Month	Essential Questions	Content	Skills	Assessment	Resources	Technology
Ongoing	Weather How can you describe the weather and use the data to make predictions about future weather?	Weather -Descriptors: sunny, partly sunny, cloudy, windy, rainy, snowy -Temperature: hot, cold, warm -Precipitation: rain, snow, sleet	Weather -Describe and report daily weather -Determine patterns in weather	Weather -Daily graph on calendar -Discussion of how temperature effects precipitation	Weather -Calendar -Graphs	
Oct.	Plants How are plants living things?	Plants -Parts Items needed to grow: -Good soil -Sunlight -Water -Air -Growth Cycle from seed to plant	Plants -Name and label parts of a plant -Discuss what a plant needs to grow -Care for a grass sample from seed to plant -Name the jobs of the plant parts	Plants -Discussion -Work products -Grass sample	Plants -Teacher created materials	
Nov.	Food Groups Why is it important to eat a balanced plate?	Food Groups -Bread/cereal/grain -Fruits -Vegetables -Meat/protein -Dairy	Food Groups -Discuss the foods found in each food group -Discuss the importance of eating a balanced plate	Food Groups -Discussion -Work products	Food Groups -Teacher created materials	
Feb.	Force and Motion: Push and Pull How do things move? How does the strength of a push change motion? How does the strength of a pull change motion?	Force and Motion: Push and Pull -Motion -Push -Hard and soft pushes -Pulls -Weak and strong pulls -Starting and stopping -Direction -Changing direction	Force and Motion: Push and Pull -Investigate what makes a ball move in different ways -Investigate what made the car move in different ways -Investigate how you can start and stop motion	Force and Motion: Push and Pull Discussion and Science Journal: -Name two ways that things can move -How can you make a ball move fast and far? -How can you tell that the girl's sled is easy for	Force and Motion: Push and Pull - <i>Exploring Science</i> big book Small Group Books: - <i>Vehicles Push and Pull</i> - <i>People Push and Pull</i> - <i>Animals Push and Pull</i> - <i>Toys to Push and Pull</i>	

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	<p>How can you make an object start and stop moving?</p> <p>How can you change the direction of a moving object?</p> <p>How can you change the speed of an object?</p>	<p>-Speed</p> <p>-Changing speed</p>	<p>-Investigate how you can change the direction of a moving object</p> <p>-Investigate how you can change the speed of an object</p>	<p>her to pull?</p> <p>-How can you make a ball start moving? Stop moving?</p> <p>-How do tennis players change the direction of the ball?</p> <p>-What is speed?</p> <p>-Investigation: How can you use pushes and pulls to make things move?</p> <p>-Analyze Data: Design a way to make a marble move in different ways</p>	<p><i>-Push and Pull Faces</i></p> <p><i>-What Can Pull Wagons?</i></p>	
<p>April-May</p>	<p>Animals</p> <p>How are the characteristics of the five animal groups unique?</p>	<p>Animals</p> <p>-Mammals</p> <p>-Birds</p> <p>-Fish</p> <p>-Reptiles</p> <p>-Amphibians</p>	<p>Animals</p> <p>-Name the basic characteristic of the five animal groups</p> <p>-Compare the animal groups to one another</p> <p>-Identify which animal group an animal belongs to</p> <p>-Name animals in each of the five groups</p>	<p>Animals</p> <p>-Discussion</p> <p>-Mystery bags</p> <p>-Work products</p>	<p>Animals</p> <p>-Teacher created materials</p> <p>-Animal posters</p> <p>-Art projects</p>	